

Amendment to the Drawings:

The attached sheet of drawings includes changes to Fig. 4A. This sheet, which includes Figs. 4A, 4B, and 4C, replaces the original sheet including Figs. 4A, 4B, and 4C. An annotated sheet of drawings is also attached illustrating the changes made.

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## REMARKS

Claims 1-22 were pending of which Claims 11-16 were withdrawn, Claims 1-10, 17, 18, 21, and 22 rejected, and Claims 19 and 20 objected to. Claims 1, 7, 10, 17, 19, and 22 have been amended, Claims 11-16 have been cancelled, and new Claims 23-26 added.

The Examiner objected to Claims 19 and 20 as being dependent upon a rejected base claim, but indicated that they would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims. Claim 19 has been so amended. Thus, the scope of Claims 19 and 20 has not been narrowed. No new matter has been added in the claims.

### Drawings

The drawings were objected to as not showing every feature of the invention specified in the claims. Fig. 4A has been amended to illustrate a heat pipe. A replacement sheet and an annotated sheet illustrating the change is attached hereto. Reconsideration and withdrawal of the present objection is requested.

### Specification

The specification has been amended to correct reference numbers and to provide a reference number for the heat pipe illustrated in amended Fig. 4A.

### Claim Rejections – 35 U.S.C. §102

Claims 1-3, 9, 10, 17, and 18 were rejected under 35 U.S.C. §102(e) as being anticipated by Cao (6,719,558) (“Cao”). Reconsideration is respectfully requested.

Independent Claims 1 and 17 have been amended to recite “a screw type electrical contact base coupled to the shell”. Support for the amendment is found, e.g., in originally filed Claim 7, which has been amended, as well as Figs. 2 and 3 and paragraphs 20 and 25. Thus, no new matter has been added.

Cao is related to a curing light system. Cao does not teach or suggest that a “screw type electrical base [is] coupled to the shell”. Moreover, there is no reason that one of ordinary skill in the art would modify the curing light system of Cao to include a screw type electrical base coupled to the shell. Thus, Applicant respectfully submits that Claims 1 and 17 are patentable over Cao. Reconsideration and withdrawal of this rejection is respectfully

requested. Claims 2-3, 9, 10, depend from Claims 1 and Claim 18 depends from Claim 17, and are, therefore, likewise patentable for at least the same reasons.

New Claims 23, 24 and Claims 25, 26 also depend from Claims 1 and 17 respectively, and are therefore likewise patentable for at least the same reasons. Support for new Claims 23-26 is found, e.g., in Fig. 3 and paragraphs 26 and 29. Thus, no new matter is added.

Claim 10 has been made independent by incorporating the subject matter of originally filed Claim 1, and thus, the scope of Claim 10 has not been narrowed. Claim 10 recites "a hollow neck coupled to the shell and a base coupled to the hollow neck, wherein the motor and fan are within the base."

The Examiner rejected Claim 10 stating that Cao discloses in Fig. 14 a hollow neck and a base and that the fan and motor are in the base. Applicant respectfully disagrees.

According to the Examiner rejection of Claim 1, Fig. 14 of Cao includes a shell (1303) and a motor 1413 and fan 1407, which are illustrated as being within the shell 1303. Cao illustrates the motor and fan within the shell 1303 and does not illustrate a shell, a hollow neck and a base, with the motor and fan in a base. This position is supported by the Examiner's rejection of Claim 9 in which the Examiner stated that "Cao illustrates and discloses in figure 14 that fan and motor are within the shell."

Accordingly, Applicant respectfully submits that independent Claim 10 is patentable over Cao. Reconsideration and withdrawal of this rejection is respectfully requested.

#### Claim Rejections – 35 U.S.C. §103

Claims 1, 3, and 6 were rejected under 35 U.S.C. §103(a) as being unpatentable over Takahashi et al. (6,227,686) ("Takahashi") in view of Belliveau (6,635,999) ("Belliveau"). Reconsideration is respectfully requested.

Neither Takahashi nor Belliveau teach or suggest "a screw type electrical contact base coupled to the shell" as recited in amended independent Claim 1. Thus, Applicant respectfully submits that Claim 1 is patentable over Takahashi in view of Belliveau. Claims 3 and 6 depend from Claim 1 and therefore likewise patentable for at least the same reasons.

Claims 4 and 5 were rejected under 35 U.S.C. §103(a) as being unpatentable over Cao in view of Moroi (4,630,182) ("Moroi"). Reconsideration is respectfully requested.

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Claims 4 and 5 depend from Claim 1 as a base claim. Moroi, however, does not make up for the deficiency of Cao (or the deficiencies of Takahashi and Belliveau discussed above). Accordingly, Claims 4 and 5 are patentable over the combination of Cao and Moroi.

Claims 8 and 21 were rejected under 35 U.S.C. §103(a) as being unpatentable over Cao in view of Ostler (6,954,270) ("Ostler"). Reconsideration is respectfully requested.

Claims 8 and 21 depend from Claims 1 and 17, respectively. Ostler, however, does not make up for the deficiency of Cao (or the deficiencies of Takahashi and Belliveau discussed above). Accordingly, Claims 8 and 21 are patentable over the combination of Cao and Ostler.

Claim 22 was under 35 U.S.C. §103(a) as being unpatentable over Cao. Reconsideration is respectfully requested.

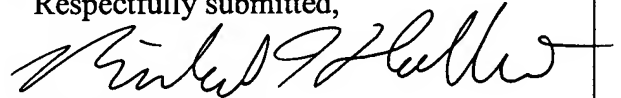
Claim 22 has been amended to be in independent form and now states "a hollow support element that is coupled to the optical reflector and heat sink, wherein the hollow support element defines a portion of the air flow channel; and a base coupled to the hollow support element, wherein the fan is within the base." As discussed above in reference to Claim 10, Cao does not teach or suggest such an element.

Accordingly, independent Claim 22 is patentable over the Cao. Reconsideration and withdrawal of this rejection is respectfully requested.

Claims 1, 7, 10, 17, 19, and 22 are amended, Claims 11-16 cancelled, and new Claims 23-26 added, leaving Claims 1-10 and 17-26 pending. For the above reasons, Applicants respectfully request allowance of all pending claims. Should the Examiner have any questions concerning this response, the Examiner is invited to call the undersigned at (408) 982-8202.

**Via Express Mail Label No.  
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Respectfully submitted,



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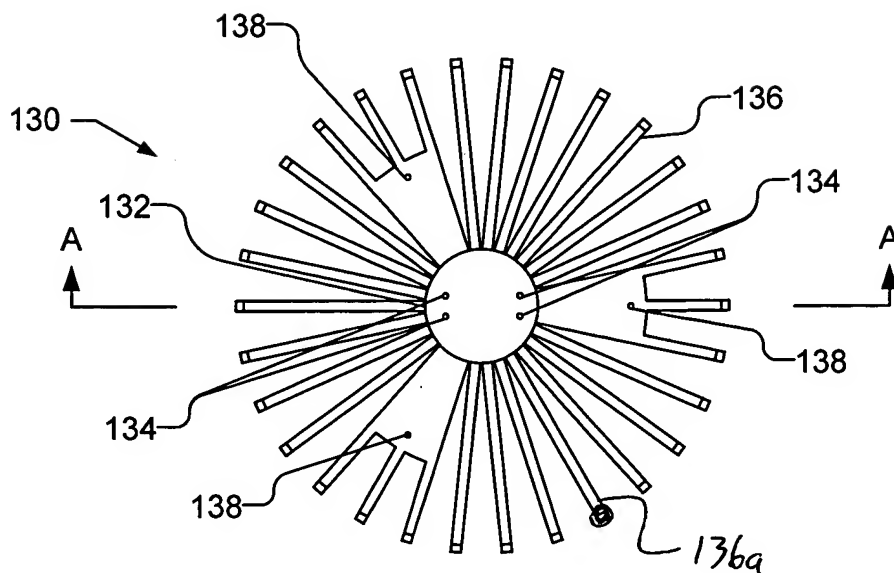


Fig. 4A

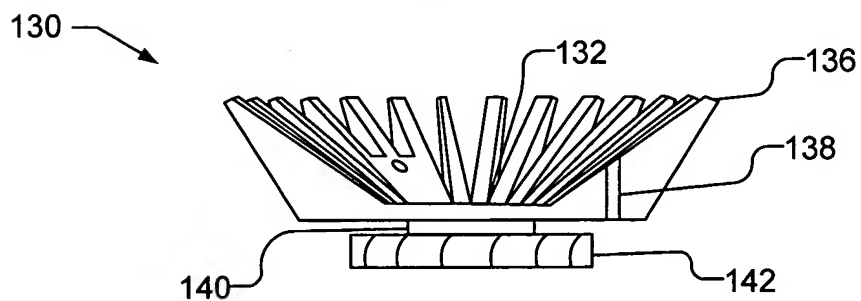


Fig. 4B

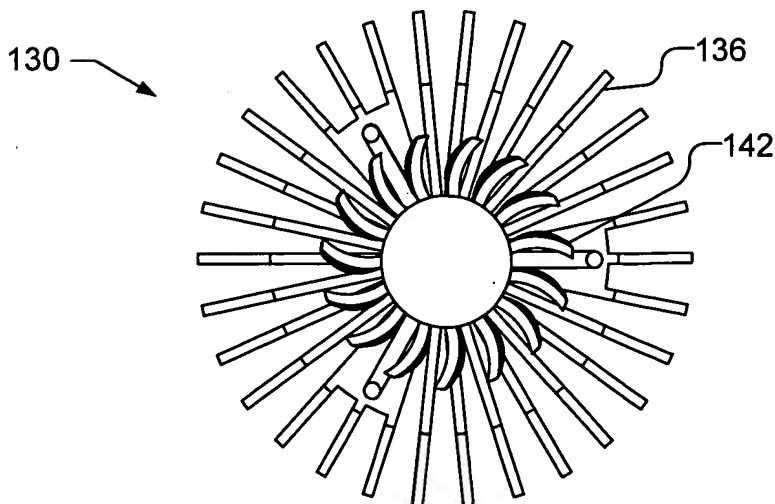


Fig. 4C